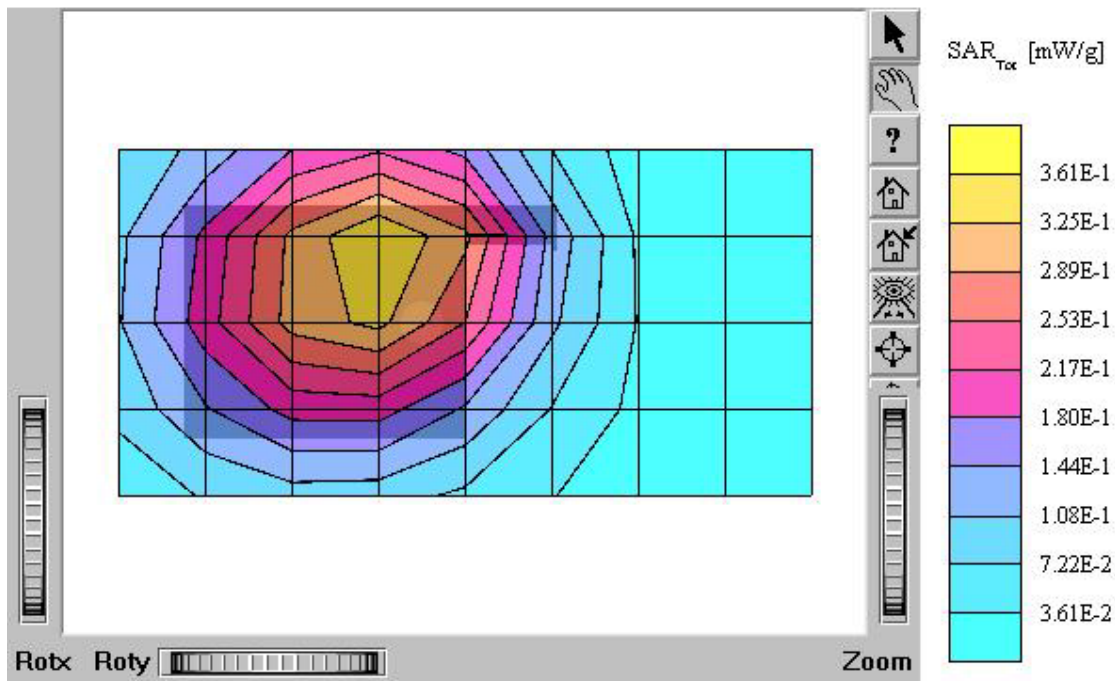


ATTACHMENT O – SAR TEST PLOTS (4 of 4)

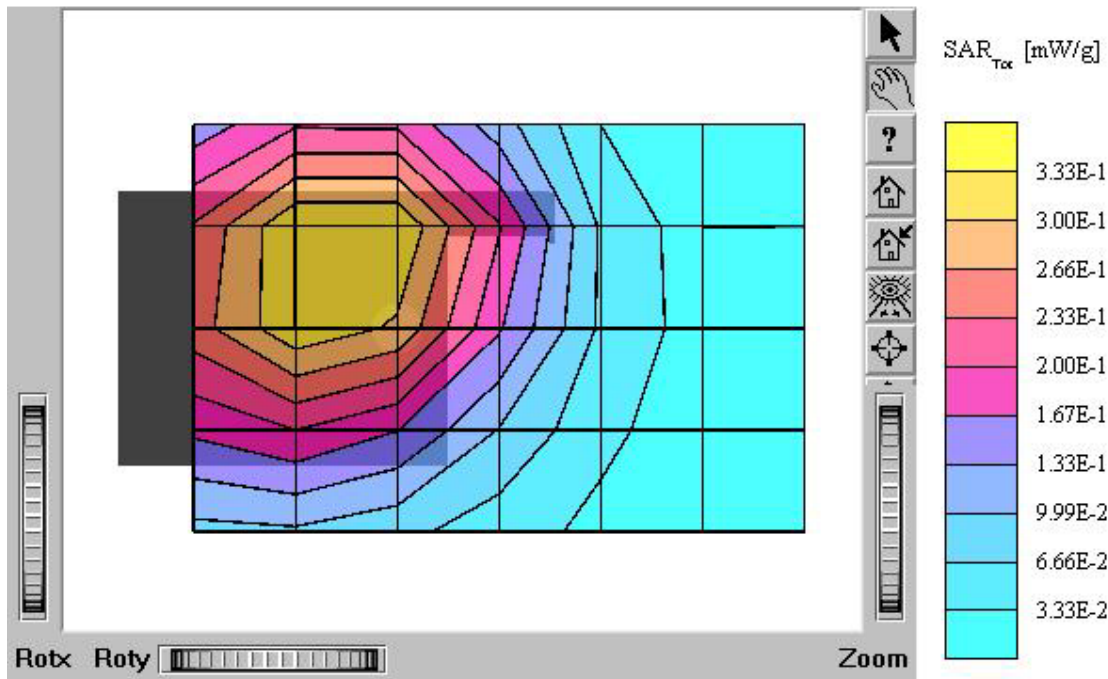
TX-180A (Body)

SAM II Phantom: Flat Section; Position: (90°,90°); Frequency: 835 MHz
Probe: ET3DV6 - SN1607; ConvF(6.26,6.26,6.26); Crest factor: 1.0; Body 835 MHz: $s = 0.96$
 $\rho_{\text{ho}}/\text{m}$, $\epsilon_r = 55.7$, $r = 1.00$ g/cm³
Cube 5x5x7; SAR (1g): 0.348 mW/g, SAR (10g): 0.243 mW/g
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.20 dB
Comment:
FCC ID: PP4TX-180A / MODEL: TX-180A
Company: Hyundai Curitel Inc.
Test Position: Body / Antenna: in
Mode: AMPS / Channel: 383 (836.49MHz)
Conducted Power: 27.0 dBm
Liquid Temperature: 21.7°C
Date Tested : November 8, 2004



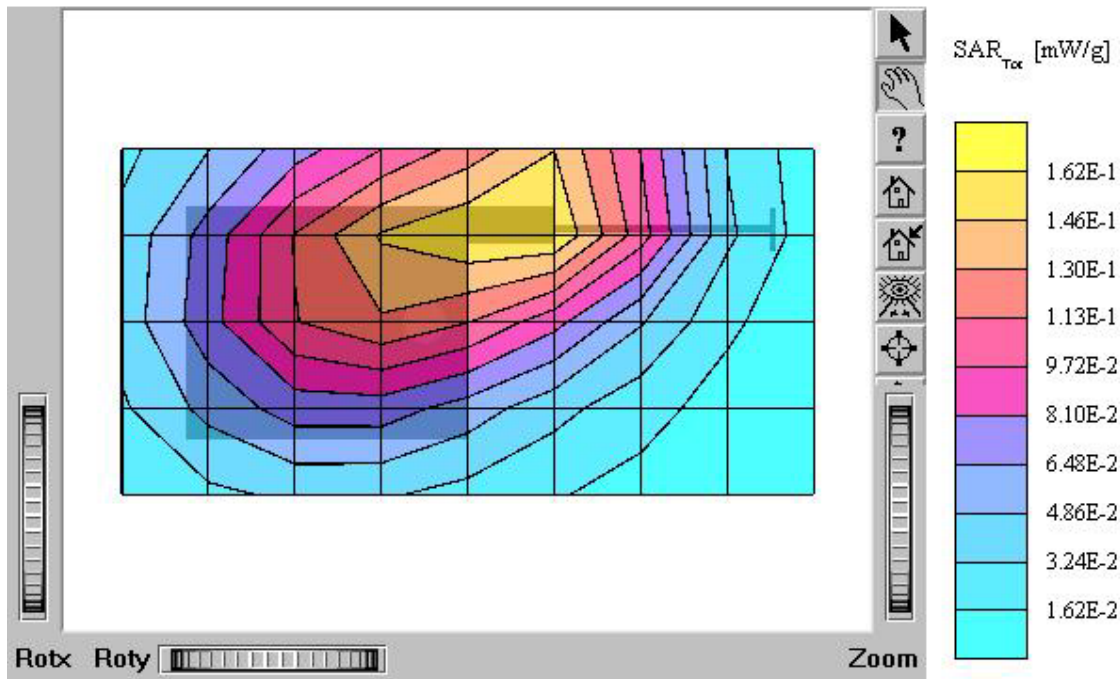
TX-180A (Body)

SAM II Phantom: Flat Section; Position: (90°,90°); Frequency: 835 MHz
Probe: ET3DV6 - SN1607; ConvF(6.26,6.26,6.26); Crest factor: 1.0; Body 835 MHz: $s = 0.96$
 ρ_{ho}/m $\epsilon_r = 55.7$ $r = 1.00$ g/cm³
Cube 5x5x7; SAR (1g): 0.335 mW/g, SAR (10g): 0.235 mW/g
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.10 dB
Comment:
FCC ID: PP4TX-180A / MODEL: TX-180A (E-battery)
Company: Hyundai Curitel Inc.
Test Position: Body / Antenna: in
Mode: AMPS / Channel: 383 (836.49MHz)
Conducted Power: 27.0 dBm
Liquid Temperature: 21.7°C
Date Tested : November 8, 2004



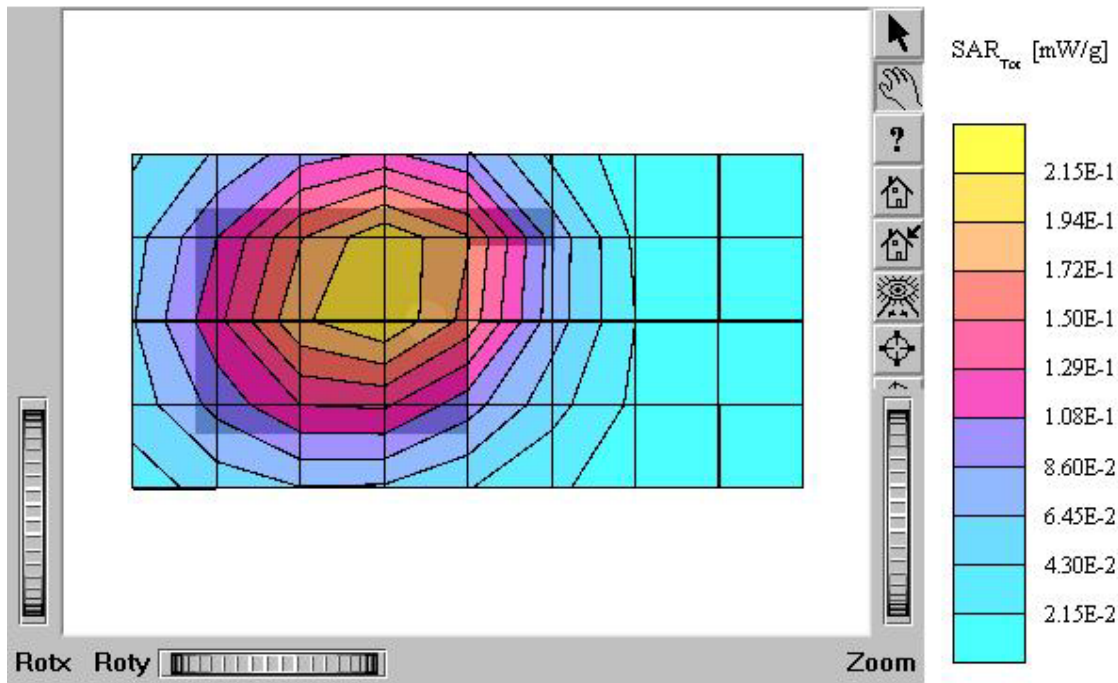
TX-180A (Body)

SAM II Phantom: Flat Section; Position: (90°,90°); Frequency: 835 MHz
Probe: ET3DV6 - SN1607; ConvF(6.26,6.26,6.26); Crest factor: 1.0; Body 835 MHz: $s = 0.96$
 $\rho_{\text{ho}}/\text{m}$, $\epsilon_r = 55.7$, $r = 1.00$ g/cm³
Cube 5x5x7; SAR (1g): 0.158 mW/g, SAR (10g): 0.108 mW/g
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.24 dB
Comment:
FCC ID: PP4TX-180A / MODEL: TX-180A
Company: Hyundai Curitel Inc.
Test Position: Body / Antenna: out
Mode: AMPS / Channel: 383 (836.49MHz)
Conducted Power: 27.0 dBm
Liquid Temperature: 21.7°C
Date Tested : November 8, 2004



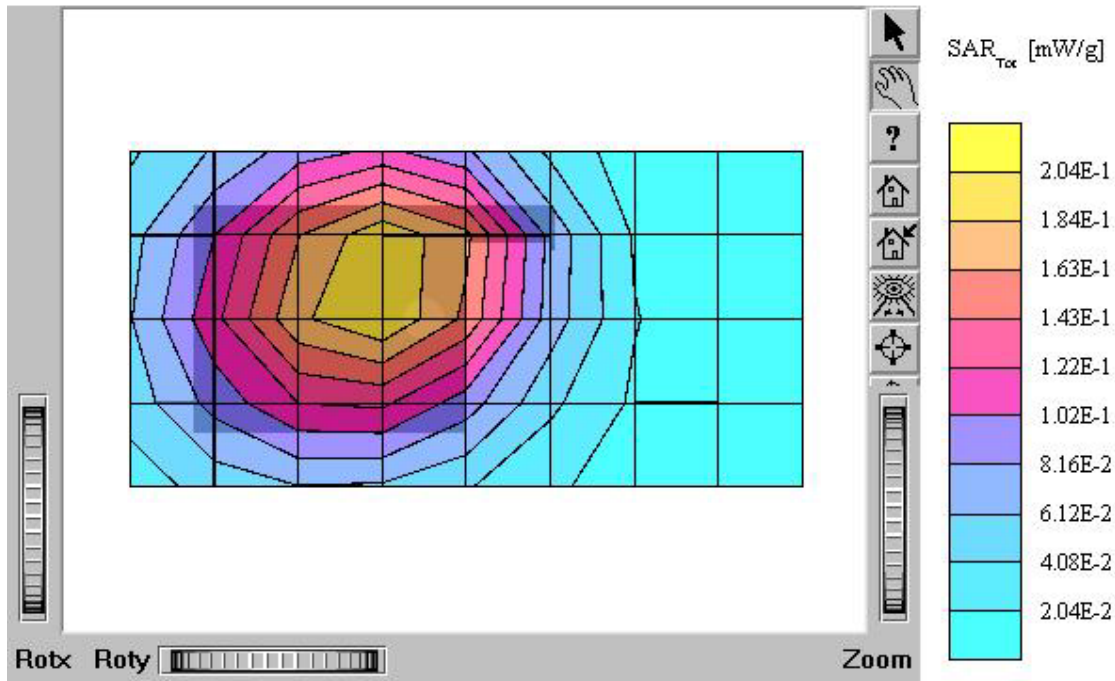
TX-180A (Body)

SAM II Phantom: Flat Section; Position: (90°,90°); Frequency: 835 MHz
Probe: ET3DV6 - SN1607; ConvF(6.26,6.26,6.26); Crest factor: 1.0; Body 835 MHz: $s = 0.96$
 ρ_{ho}/m $\epsilon_r = 55.8$ $r = 1.00$ g/cm^3
Cube 5x5x7: SAR (1g): 0.209 mW/g, SAR (10g): 0.146 mW/g
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.20 dB
Comment:
FCC ID: PP4TX-180A / MODEL: TX-180A
Company: Hyundai Curitel Inc.
Test Position: Body / Antenna: in
Mode: CDMA / Channel: 363 (835.89MHz)
Conducted Power : 25.0 dBm
Liquid Temperature : 21.5°C
Date Tested : November 9, 2004



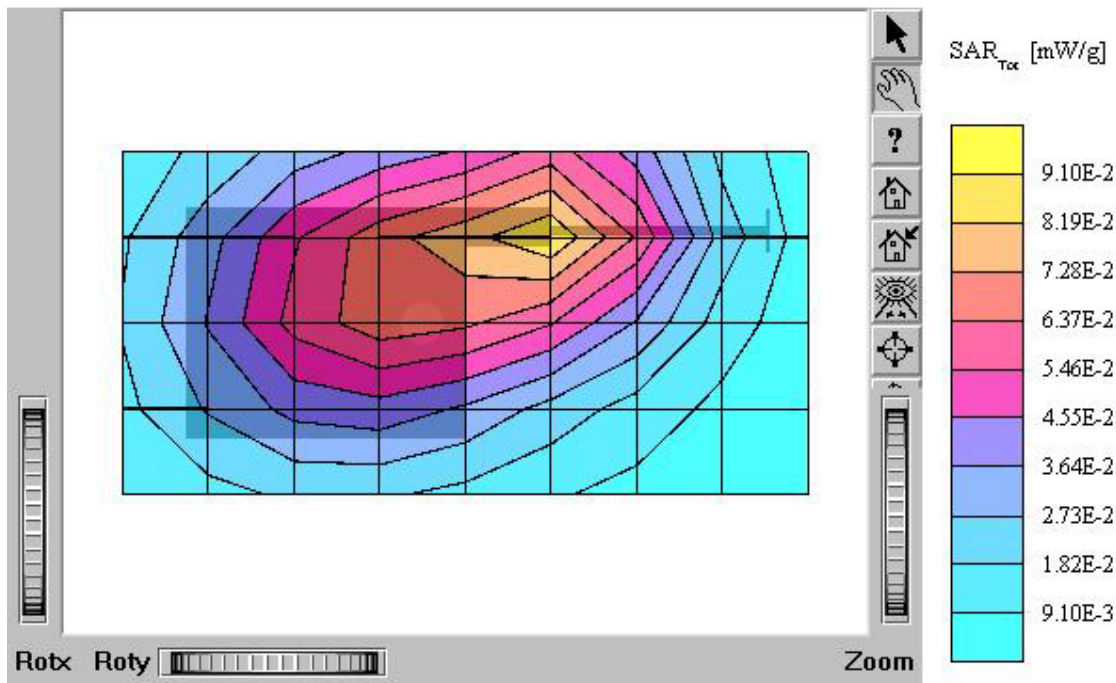
TX-180A (Body)

SAM II Phantom: Flat Section; Position: (90°,90°); Frequency: 835 MHz
Probe: ET3DV6 - SN1607; ConvF(6.26,6.26,6.26); Crest factor: 1.0; Body 835 MHz: $s = 0.96$
 $\rho_{\text{ho}}/\text{m}$, $\epsilon_r = 55.8$, $\rho = 1.00 \text{ g/cm}^3$
Cube 5x5x7; SAR (1g): 0.204 mW/g, SAR (10g): 0.144 mW/g
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: 0.05 dB
Comment:
FCC ID: PP4TX-180A / MODEL: TX-180A (E-battery)
Company: Hyundai Curitel Inc.
Test Position: Body / Antenna: in
Mode: CDMA / Channel: 363 (835.89MHz)
Conducted Power : 25.0 dBm
Liquid Temperature : 21.5°C
Date Tested : November 9, 2004



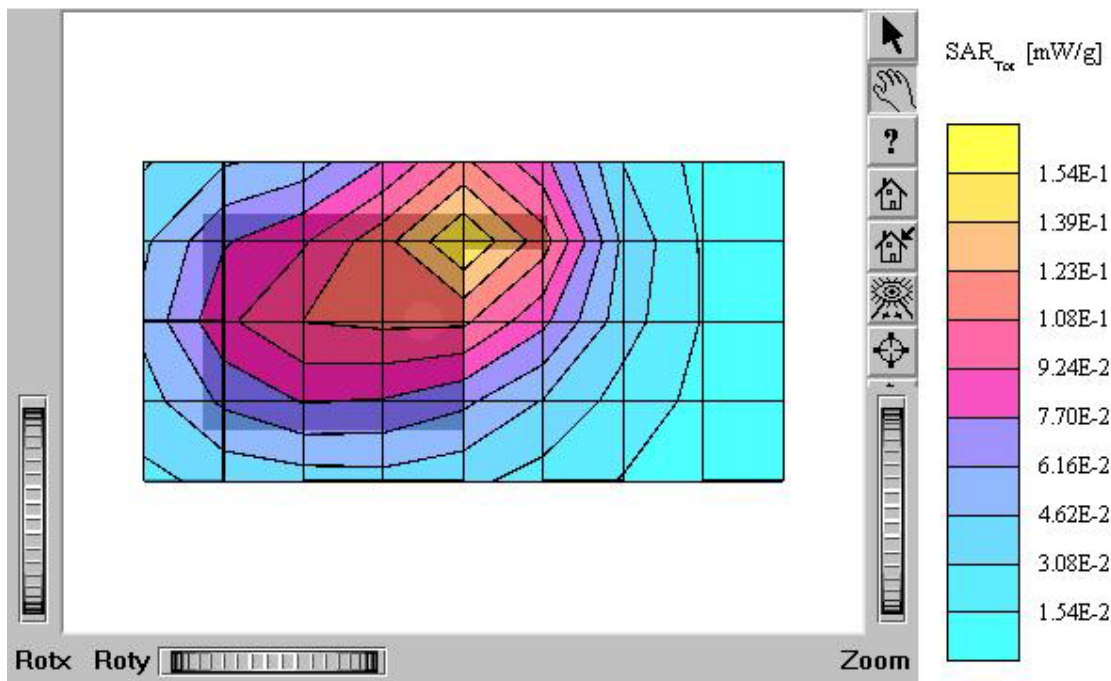
TX-180A (Body)

SAM II Phantom: Flat Section; Position: (90°,90°); Frequency: 835 MHz
Probe: ET3DV6 - SN1607; ConvF(6.26,6.26,6.26); Crest factor: 1.0; Body 835 MHz: $s = 0.96$
 $\rho_{\text{ho}}/\text{m}$, $\epsilon_r = 55.8$, $\rho = 1.00 \text{ g/cm}^3$
Cube 5x5x7; SAR (1g): 0.0845 mW/g, SAR (10g): 0.0565 mW/g
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: 0.31 dB
Comment:
FCC ID: PP4TX-180A / MODEL: TX-180A
Company: Hyundai Curitel Inc.
Test Position: Body / Antenna: out
Mode: CDMA / Channel: 363 (835.89MHz)
Conducted Power : 25.0 dBm
Liquid Temperature : 21.5°C
Date Tested : November 9, 2004



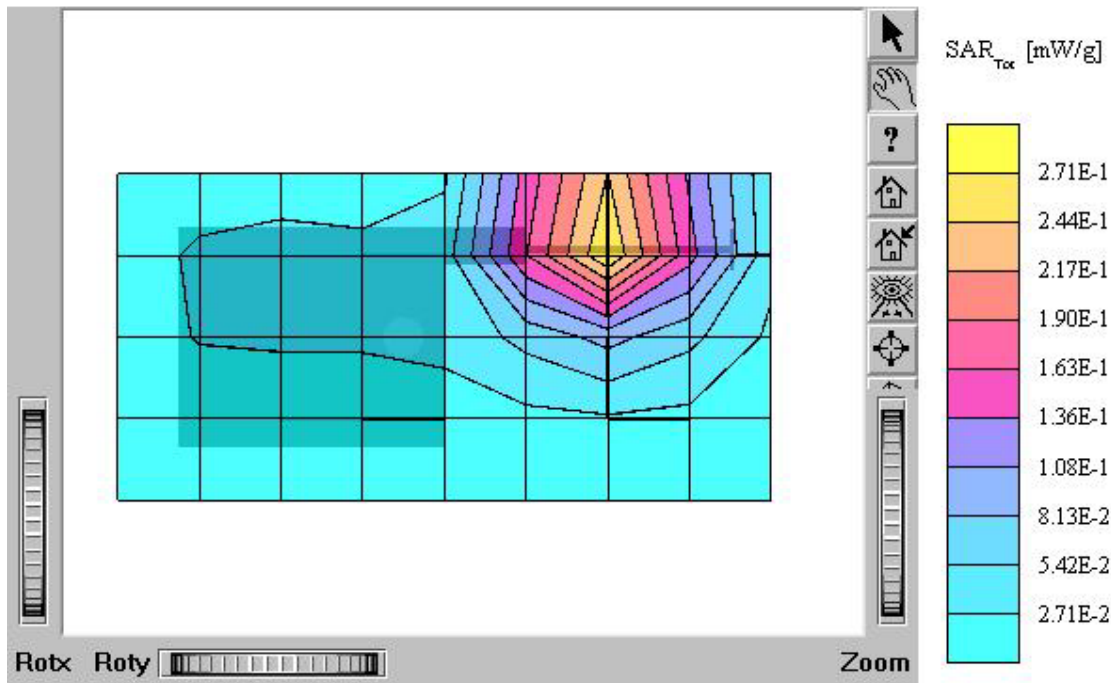
TX-180A (Body)

SAM II Phantom: Flat Section; Position: (90°,90°); Frequency: 1900 MHz
Probe: ET3DV6 - SN1609; ConvF(4.60,4.60,4.60); Crest factor: 1.0; Body 1900 MHz: $s = 1.47$
 $\rho_{\text{ho/m}}$ $\epsilon_r = 51.2$ $r = 1.00$ g/cm³
Cube 5x5x7; SAR (1g): 0.134 mW/g, SAR (10g): 0.0835 mW/g
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.08 dB
Comment:
FCC ID: PP4TX-180A / MODEL: TX-180A
Company: Hyundai Curitel Inc.
Test Position : Body / Antenna: in
Mode: PCS CDMA / Channel: 600 (1880.00MHz)
Conducted Power : 25.0 dBm
Liquid Temperature : 21.7°C
Date Tested : November 10, 2004



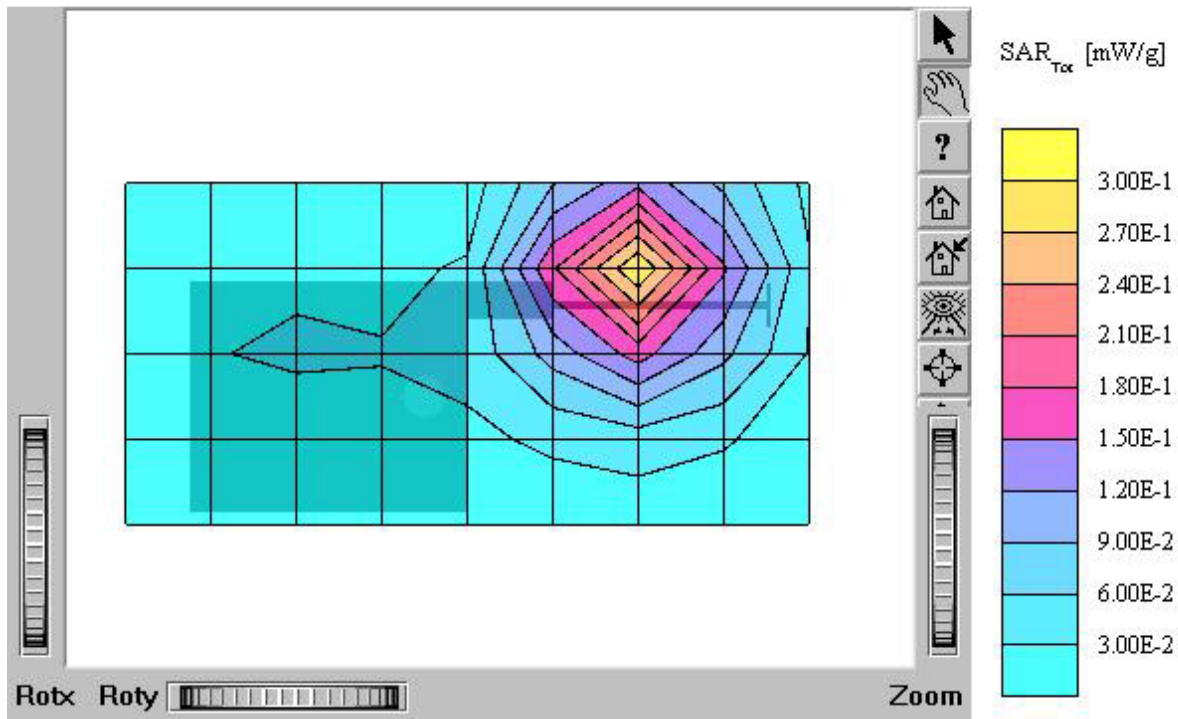
TX-180A (Body)

SAM II Phantom; Flat Section; Position: (90°,90°); Frequency: 1900 MHz
Probe: ET3DV6 - SN1609; ConvF(4.60,4.60,4.60); Crest factor: 1.0; Body 1900 MHz: s = 1.47
mho/m ϵ_r = 51.2 r = 1.00 g/cm³
Cube 5x5x7; SAR (1g): 0.270 mW/g, SAR (10g): 0.160 mW/g
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.05 dB
Comment:
FCC ID: PP4TX-180A / MODEL: TX-180A
Company: Hyundai Curitel Inc.
Test Position : Body / Antenna: out
Mode: PCS CDMA / Channel: 600 (1880.00MHz)
Conducted Power : 25.0 dBm
Liquid Temperature : 21.7°C
Date Tested : November 10, 2004



TX-180A (Body)

SAM II Phantom; Flat Section; Position: (90°,90°); Frequency: 1900 MHz
Probe: ET3DV6 - SN1609; ConvF(4.60,4.60,4.60); Crest factor: 1.0; Body 1900 MHz: $s = 1.47$
 mho/m $\epsilon_r = 51.2$ $\rho = 1.00 \text{ g/cm}^3$
Cube 5x5x7; SAR (1g): 0.263 mW/g, SAR (10g): 0.156 mW/g
Coarse: $D_x = 20.0$, $D_y = 20.0$, $D_z = 10.0$
Powerdrift: -0.08 dB
Comment:
FCC ID: PP4TX-180A / MODEL: TX-180A (E-battery)
Company: Hyundai Curitel Inc.
Test Position : Body / Antenna: out
Mode: PCS CDMA / Channel: 600 (1880.00MHz)
Conducted Power : 25.0 dBm
Liquid Temperature : 21.7°C
Date Tested : November 10, 2004



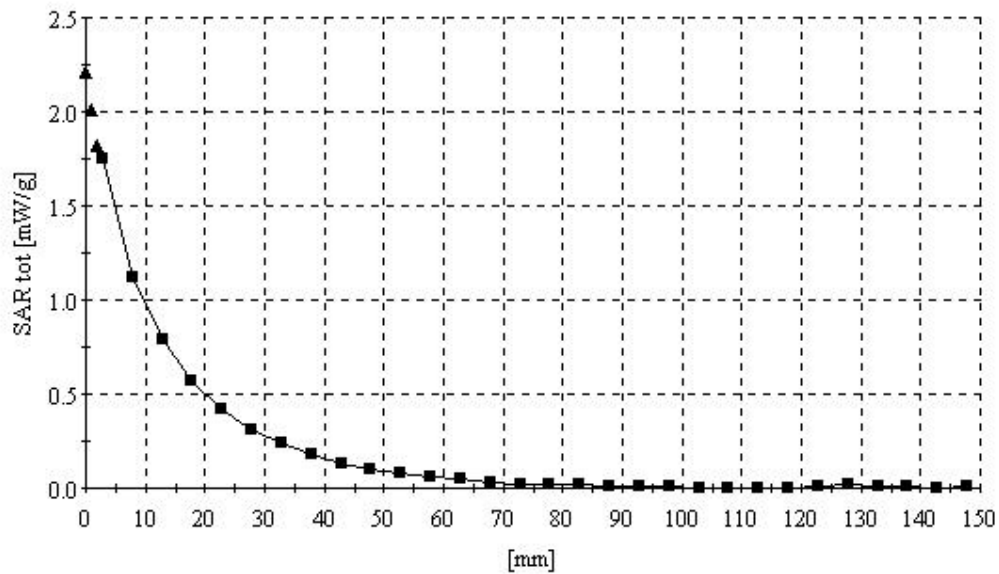
TX-180A

SAM II Phantom: Section: Position: ; Frequency: 835 MHz
Probe: ET3DV6 - SN1607; ConvF(6.22,6.22,6.22); Crest factor: 1.0; Head 835 MHz: $s = 0.89$
 ρ_{ho}/m $e_r = 42.6$ $r = 1.00$ g/cm³

Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0

Comment:

FCC ID: PP4TX-180A / MODEL: TX-180A
Company: Hyundai Curitel Inc.
Test Position: Left Touch / Antenna: in
Mode: AMPS / Channel: 799 (848.97MHz)
Conducted Power: 27.0 dBm
Liquid Temperature: 21.7°C
Date Tested : November 8, 2004



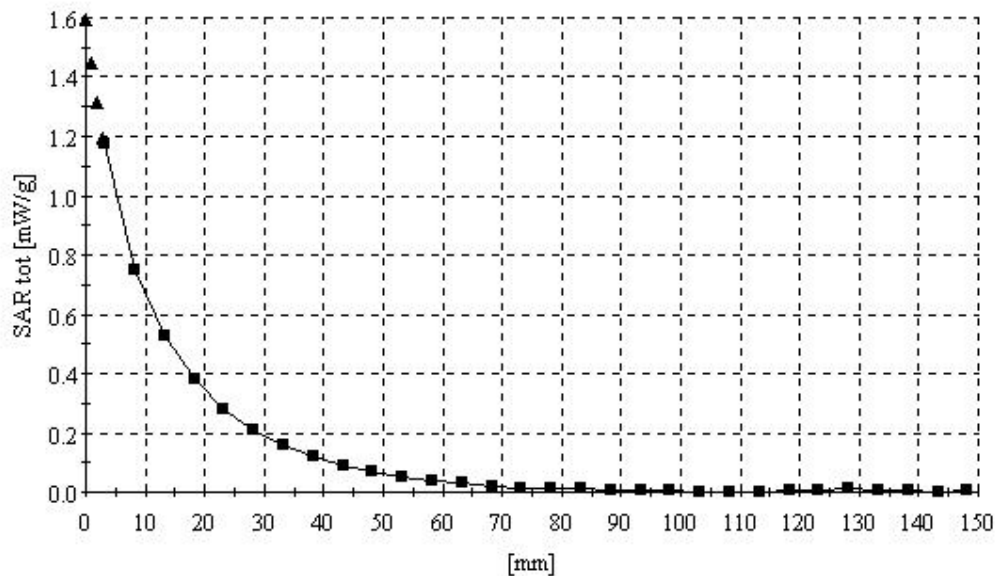
TX-180A

SAM II Phantom: Section: Position: ; Frequency: 835 MHz
Probe: ET3DV6 - SN1607; ConvF(6.22,6.22,6.22); Crest factor: 1.0; Head 835 MHz: s = 0.89
rho/m e, = 42.4 r = 1.00 g/cm³

Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0

Comment:

FCC ID: PP4TX-180A / MODEL: TX-180A
Company: Hyundai Curitel Inc.
Test Position: Left Touch / Antenna: in
Mode: CDMA / Channel: 777 (848.31MHz)
Conducted Power : 25.0 dBm
Liquid Temperature : 21.5°C
Date Tested : November 9, 2004



TX-180A

SAM II Phantom: Section: Position: ; Frequency: 1900 MHz
Probe: ET3DV6 - SN1609; ConvF(5.34,5.34,5.34); Crest factor: 1.0; Brain 1900 MHz: $s = 1.39$
 $\rho_{\text{ho/m}} e_r = 40.3$ $r = 1.00$ g/cm³

Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0

Comment:

FCC ID: PP4TX-180A / MODEL: TX-180A

Company: Hyundai Curitel Inc.

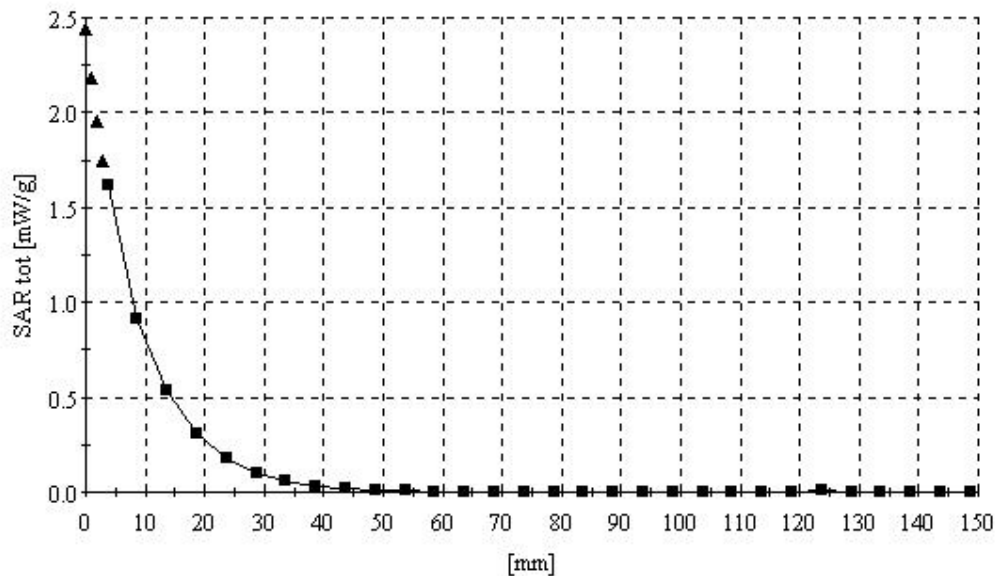
Test Position: Right Touch / Antenna: in

Mode: PCS CDMA / Channel: 600 (1880.00MHz)

Conducted Power : 25.0 dBm

Liquid Temperature : 21.7°C

Date Tested : November 10, 2004



TX-180A (Body)

SAM II Phantom: Section: Position: ; Frequency: 835 MHz

Probe: ET3DV6 - SN1607; ConvF(6.26,6.26,6.26); Crest factor: 1.0; Body 835 MHz: $s = 0.96$
 ρ_{ho}/m $e_r = 55.7$ $r = 1.00$ g/cm³

;

Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0

Comment:

FCC ID: PP4TX-180A / MODEL: TX-180A

Company: Hyundai Curitel Inc.

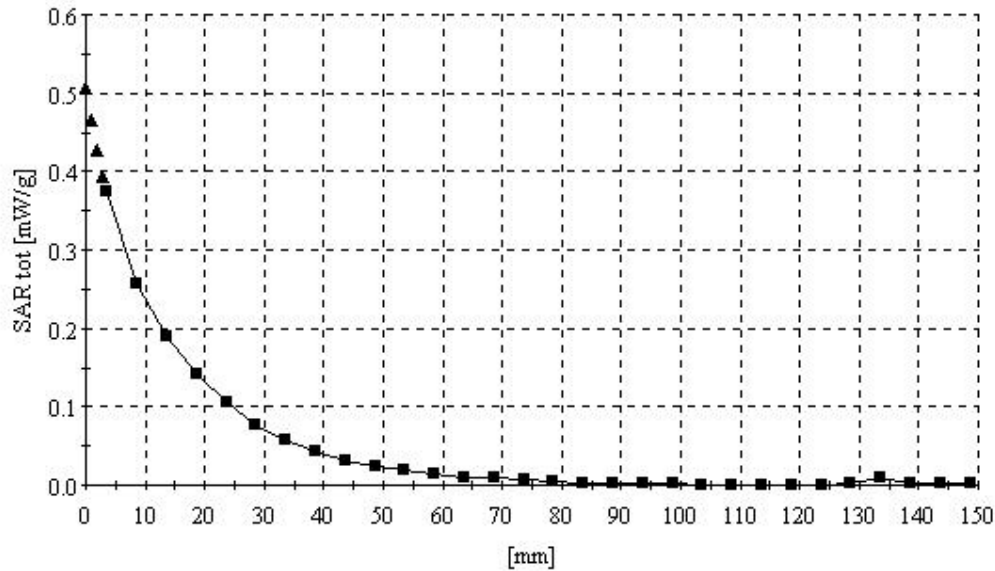
Test Position: Body / Antenna: in

Mode: AMPS / Channel: 383 (836.49MHz)

Conducted Power: 27.0 dBm

Liquid Temperature: 21.7°C

Date Tested : November 8, 2004



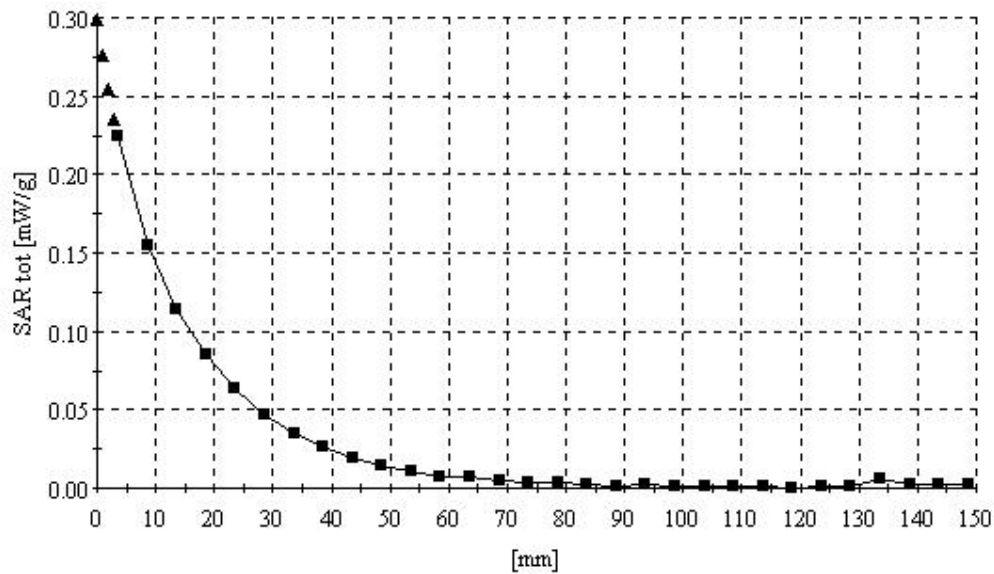
TX-180A (Body)

SAM II Phantom: Section: Position: ; Frequency: 835 MHz
Probe: ET3DV6 - SN1607; ConvF(6.26,6.26,6.26); Crest factor: 1.0; Body 835 MHz: $s = 0.96$
 ρ_{ho}/m $e_r = 55.8$ $r = 1.00$ g/cm³

Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0

Comment:

FCC ID: PP4TX-180A / MODEL: TX-180A
Company: Hyundai Curitel Inc.
Test Position: Body / Antenna: in
Mode: CDMA / Channel: 363 (835.89MHz)
Conducted Power : 25.0 dBm
Liquid Temperature : 21.5°C
Date Tested : November 9, 2004



TX-180A (Body)

SAM II Phantom: Section: Position: ; Frequency: 1900 MHz

Probe: ET3DV6 - SN1609; ConvF(4.60,4.60,4.60); Crest factor: 1.0; Body 1900 MHz: $s = 1.47$
 ρ_{ho}/m $e_r = 51.2$ $r = 1.00$ g/cm³

:

Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0

Comment:

FCC ID: PP4TX-180A / MODEL: TX-180A

Company: Hyundai Curitel Inc.

Test Position : Body / Antenna: out

Mode: PCS CDMA / Channel: 600 (1880.00MHz)

Conducted Power : 25.0 dBm

Liquid Temperature : 21.7°C

Date Tested : November 10, 2004

